

CLAIMS

- [1] An acoustic apparatus using a bone-conduction speaker comprising: an outer casing, in which a bone-conduction speaker is incorporated; a unit case mounted in said outer casing through a support means; a drive means for displacing said unit case in said outer casing, said drive means being disposed in said outer casing; an opening formed in said outer casing in a manner such that said unit case is permitted to expose its side-head abutting surface to the outside, wherein said drive means is so operated as to bring said unit case in or out of contact with said outer casing.
- [2] The acoustic apparatus using the bone-conduction speaker as set forth in claim 1, wherein said outer casing is constructed of a casing of a cell phone.
- [3] The acoustic apparatus using the bone-conduction speaker as set forth in claim 1, wherein said outer casing is constructed of an accessory type of casing, which type is capable of being attached to a user's breast portion and like portions, wherein said accessory type of casing is provided with a communication means capable of communicating with said cell phone.
- [4] The acoustic apparatus using the bone-conduction speaker as set forth in claim 3, wherein said communication means is constructed of a wireless communication means.
- [5] The acoustic apparatus using the bone-conduction speaker as set forth in any one of claims 1 to 4, wherein said unit case is always kept in contact with the outer casing when said unit case is on standby.

- [6] The acoustic apparatus using the bone-conduction speaker as set forth in any one of claims 1 to 5, wherein said unit case takes a convex shape, an upper surface of which shape serves as said abutting surface to project outside through said opening of said outer casing.
- [7] The acoustic apparatus using the bone-conduction speaker as set forth in any one of claims 1 to 6, wherein said drive means moves back and forth in a manner such that said abutting surface of said unit case projects outside through said opening of said outer casing when said drive means moves forth.
- [8] The acoustic apparatus using the bone-conduction speaker as set forth in any one of claims 1 to 7, wherein: said outer casing permits a microphone to be pulled out of said outer casing; and, said drive means is interlocked with said microphone when said microphone is pulled out, whereby said unit case is brought out of contact with said outer casing.
- [9] The acoustic apparatus using the bone-conduction speaker as set forth in any one of claims 1 to 8, wherein said support means is constructed of an elastic member fixedly mounted on an inner surface of said outer casing.